

# Comparisons of Job Characteristics

**Focus Occupation:** [Computer Operators \(43-9011\)](#)

**Associated Occupation:** [Computer Systems Analysts \(15-1051\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation:** Computer Operators (43-9011)  
**Associated Occupation:** Computer Systems Analysts (15-1051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Computers and Electronics	8.4	19.3	17.1	<	Expanded education and/or training may be required
Customer and Personal Service	11.3	15.4	14.3	0	Current knowledge level may be sufficient
Education and Training	9.2	13.2	7.2	<<	Extensive education and/or training may be required
Administration and Management	8.4	11.3	6.5	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	11.0	4.7	<<	Extensive education and/or training may be required
Telecommunications	3.9	6.8	7.4	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 55

**Focus Occupation:** Computer Operators (43-9011)  
**Associated Occupation:** Computer Systems Analysts (15-1051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Systems Evaluation	6.4	12.7	8.1	<<	Extensive development of skills in this area may be required
Active Learning	8.7	12.6	9.7	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	12.6	9.2	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	10.6	3.6	<<	Extensive development of skills in this area may be required

Quality Control Analysis	5.9	10.3	9.4	0	Current skill level may be sufficient
Programming	2.2	10.2	6.6	<<	Extensive development of skills in this area may be required
Technology Design	2.6	9.7	3.8	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	8.9	9.1	0	Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Computer Operators (43-9011)

Associated Occupation: Computer Systems Analysts (15-1051)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Deductive Reasoning	10.6	13.9	10.3	<<	Extensive improvement in abilities may be required
Information Ordering	9.9	12.9	11.1	<	Some improvement in abilities may be required
Fluency of Ideas	7.6	12.7	8.6	<<	Extensive improvement in abilities may be required
Category Flexibility	9.0	11.8	9.1	<<	Extensive improvement in abilities may be required
Originality	7.6	11.6	7.7	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	10.4	9.8	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	10.3	6.9	<<	Extensive improvement in abilities may be required
Speed of Closure	5.9	8.8	7.2	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Computer Operators (43-9011)

Associated Occupation: Computer Systems Analysts (15-1051)

Work Activities	Exclusivity of Activity
Communicate technical information	4
Follow data storage procedures	75
Maintain client-server database	89
Maintain or repair computers or related equipment	81
Monitor computer operation	85
Operate computer networks	92
Provide technical support to computer users	80

Test computer programs or systems	78
Use computers to enter, access or retrieve data	3
Use knowledge of mainframe computers	78

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 81

**Focus Occupation: Computer Operators (43-9011)**  
**Associated Occupation: Computer Systems Analysts (15-1051)**

Tools and Technologies	Exclusivity
Business function specific software	1
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Finance accounting and enterprise resource planning ERP software	2
Network applications software	1
Network management software	37
Networking software	21
Operating environment software	12
Personal communication devices	2
Utility and device driver software	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.